
Concise review: Immune recognition of induced pluripotent stem cells.

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Public Summary:

In this review, we discuss the mechanisms how the cells derived from pluripotent stem cells can be immunogenic.

Scientific Abstract:

Autologous-induced pluripotent stem cells (iPSCs) may eventually be used in cell replacement therapies to treat a wide range of diseases and have been touted as a solution to the vexing problem of immune rejection in this context. Emerging evidence suggests, however, that ostensibly histocompatible iPSCs may be rejected following transplantation. Here, we review the mechanisms that contribute to immunogenicity in iPSCs and forward approaches to permit their acceptance in potential cell replacement therapies.

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